

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab \cdot h = 35/360 = 0.097$

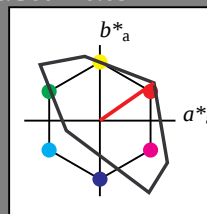
$lab \cdot tch$ and $lab \cdot nch$

D65: hue O

LCH*Ma: 53 87 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



TLS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)					
olv3*	1.0	1.0	1.0	(1.0)	
cmyn3*	0.0	0.0	0.0	(0.0)	
olv4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0		
LAB*LABa	95.41	0.0	0.0		
LAB*LABb	99.99	0.01	0.0		

relative Inform. Technology (IT)					
olv3*	1.0	0.75	0.75	(1.0)	
cmyn3*	0.0	0.25	0.25	(0.0)	
olv4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	84.74	17.9	12.47		
LAB*LABa	84.74	17.9	12.47		
LAB*LABb	87.5	21.81	34.85		

relative Inform. Technology (IT)					
olv3*	1.0	0.5	0.5	(1.0)	
cmyn3*	0.0	0.5	0.5	(0.0)	
olv4*	1.0	0.5	0.5	(1.0)	
cmyn4*	0.0	0.5	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.08	35.81	24.94		
LAB*LABa	74.08	35.81	24.94		
LAB*LABb	75.0	43.63	34.85		

relative Inform. Technology (IT)					
olv3*	1.0	0.25	0.25	(1.0)	
cmyn3*	0.0	0.75	0.75	(0.0)	
olv4*	1.0	0.25	0.25	(1.0)	
cmyn4*	0.0	0.75	0.75	(0.0)	
standard and adapted CIELAB					
LAB*LAB	63.42	53.72	37.41		
LAB*LABa	63.42	53.72	37.41		
LAB*LABb	62.5	65.46	34.85		

relative Inform. Technology (IT)					
olv3*	1.0	0.0	0.0	(1.0)	
cmyn3*	0.0	1.0	1.0	(0.0)	
olv4*	1.0	0.0	0.0	(1.0)	
cmyn4*	0.0	1.0	1.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	52.76	71.62	49.87		
LAB*LABa	52.76	71.62	49.87		
LAB*LABb	50.0	87.27	34.85		

relative Inform. Technology (IT)					
olv3*	0.5	0.5	0.5	(1.0)	
cmyn3*	0.5	0.5	0.5	(0.0)	
olv4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	0.24	2.14		
LAB*LABa	56.71	0.24	2.14		
LAB*LABb	50.0	0.0	0.0		

relative Inform. Technology (IT)					
olv3*	0.75	0.75	0.75	(1.0)	
cmyn3*	0.25	0.25	0.25	(0.0)	
olv4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	76.07	0.0	0.0		
LAB*LABa	76.07	0.0	0.0		
LAB*LABb	75.0	0.01	0.0		

relative Inform. Technology (IT)					
olv3*	0.75	0.5	0.5	(1.0)	
cmyn3*	0.25	0.5	0.5	(0.0)	
olv4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	65.4	17.91	12.47		
LAB*LABa	65.4	17.91	12.47		
LAB*LABb	62.5	21.82	34.85		

relative Inform. Technology (IT)					
olv3*	0.75	0.25	0.25	(1.0)	
cmyn3*	0.25	0.75	0.75	(0.0)	
olv4*	1.0	0.5	0.5	(1.0)	
cmyn4*	0.0	0.5	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	54.74	35.82	24.94		
LAB*LABa	54.74	35.82	24.94		
LAB*LABb	50.0	43.64	34.85		

relative Inform. Technology (IT)					
olv3*	0.5	0.0	0.0	(1.0)	
cmyn3*	0.5	0.0	0.0	(0.0)	
olv4*	1.0	0.25	0.25	(1.0)	
cmyn4*	0.0	0.75	0.75	(0.0)	
standard and adapted CIELAB					
LAB*LAB	44.08	53.72	37.41		
LAB*LABa	44.08	53.72	37.41		
LAB*LABb	37.51	65.46	34.85		

relative Inform. Technology (IT)					
olv3*	0.37	0.615	0.429		
cmyn3*	0.37	0.615	0.429		
olv4*	1.0	0.0	0.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	33.32	0.732	0.164		
LAB*LABa	33.32	0.732	0.164		
LAB*LABb	30.0	0.0	0.0		

relative Inform. Technology (IT)					
olv3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olv4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	32.98	36.33	12.63		
LAB*LABa	32.98	36.33	12.63		
LAB*LABb	25.0	0.0	0.0		

relative Inform. Technology (IT)					
olv3*	0.25	0.25	0.25	(1.0)	
cmyn3*	0.75	0.75	0.75	(0.0)	
olv4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	37.37	0.0	0.0		
LAB*LABa	37.37	0.0	0.0		
LAB*LABb	25.0	0.01	0.0		

relative Inform. Technology (IT)					
olv3*	0.3	0.5	0.5	(1.0)	
cmyn3*	0.7	0.5	0.5	(0.0)	
olv4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.5	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	46.05	17.91	12.47		
LAB*LABa	46.05	17.91	12.47		
LAB*LABb	37.5	21.82	34.85		

relative Inform. Technology (IT)					
olv3*	0.5	0.0	0.0	(1.0)	
cmyn3*	0.5	0.0	0.0	(0.0)	
olv4*	1.0	0.5	0.5	(1.0)	
cmyn4*	0.0	0.5	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	35.39	35.81	24.94		
LAB*LABa	35.39	35.81	24.94		
LAB*LABb	25.01	43.63	34.85		

relative Inform. Technology (IT)					
olv3*	0.25	0.0	0.0	(1.0)	
cmyn3*	0.75	0.0	0.0	(0.0)	
olv4*	1.0	0.25	0.25	(1.0)	
cmyn4*	0.0	0.75	0.75	(0.0)	
standard and adapted CIELAB					
LAB*LAB	26.7	17.9	12.47		
LAB*LABa	26.7	17.9	12.47		
LAB*LABb	12.5	21.81	34.85		

relative Inform. Technology (IT)					
olv3*	0.112	0.205	0.143		
cmyn3*	0.125	0.25	0.097		
olv4*	1.0	0.75	0.75	(1.0)	
cmyn4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.03	0.0	0.0		
LAB*LABa	18.03	0.0	0.0		
LAB*LABb	0.01	0.01	0.0		

relative Inform. Technology (IT)					
olv3*	0.0	0.0	0.0	(1.0)	
cmyn3*	1.0	1.0	1.0	(0.0)	
olv4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.0	0.0		
LAB*LABa	18.02	0.0	0.0		
LAB*LABb	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olv3*	0.0	0.0	0.0	(1.0)	
cmyn3*	0.0	1.0	1.0	(0.0)	
olv4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.03	0.0	0.0		
LAB*LABa	18.03	0.0	0.0		
LAB*LABb	0.01	0.01	0.0		

relative Inform. Technology (IT)					
olv3*	0.0	0.0	0.0	(1.0)	
cmyn3*	0.0	1.0	1.0	(0.0)	
olv4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.03	0.0	0.0		
LAB*LABa	18.03	0.0	0.0		
LAB*LABb	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olv3*	0.0	0.0	0.0	(1.0)	
cmyn3*	0.0	1.0	1.0	(0.0)	
olv4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.03	0.0	0.0		
LAB*LABa	18.03	0.0	0.0		
LAB*LABb	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olv3*	0.0	0.0	0.0	(1.0)	
cmyn3*	0.0	1.0	1.0	(0.0)	
olv4*	1.0	1.0	1.0	(1.0)	
cmyn4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	18.02	0.0	0.0		
LAB*LABa	18.02	0.0	0.0		
LAB*LABb	0.0	0.0	0.0		

relative Inform. Technology (IT)				
olv3*	0.0	0.0	0.0	(1.0)
cmyn3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	0.0
cmyn4*	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB*LAB	18.02	0.5		-0.47
B*LABa	18.02	0.0		0.0
B*YCbCr	0.01	0.01		

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab \cdot h = 103/360 = 0.287$

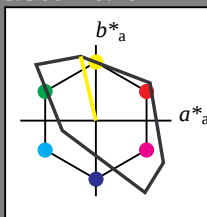
$lab \cdot tch$ and $lab \cdot nch$

D65: hue Y

LCH*Ma: 93 87 103

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



TLS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
olv6*	0.0	0.0	0.0	(0.0)
olv7*	0.0	0.0	0.0	(0.0)
olv8*	0.0	0.0	0.0	(0.0)
olv9*	0.0	0.0	0.0	(0.0)
olv10*	0.0	0.0	0.0	(0.0)
olv11*	0.0	0.0	0.0	(0.0)
olv12*	0.0	0.0	0.0	(0.0)
olv13*	0.0	0.0	0.0	(0.0)
olv14*	0.0	0.0	0.0	(0.0)
olv15*	0.0	0.0	0.0	(0.0)
olv16*	0.0	0.0	0.0	(0.0)
olv17*	0.0	0.0	0.0	(0.0)
olv18*	0.0	0.0	0.0	(0.0)
olv19*	0.0	0.0	0.0	(0.0)
olv20*	0.0	0.0	0.0	(0.0)
olv21*	0.0	0.0	0.0	(0.0)
olv22*	0.0	0.0	0.0	(0.0)
olv23*	0.0	0.0	0.0	(0.0)
olv24*	0.0	0.0	0.0	(0.0)
olv25*	0.0	0.0	0.0	(0.0)
olv26*	0.0	0.0	0.0	(0.0)
olv27*	0.0	0.0	0.0	(0.0)
olv28*	0.0	0.0	0.0	(0.0)
olv29*	0.0	0.0	0.0	(0.0)
olv30*	0.0	0.0	0.0	(0.0)
olv31*	0.0	0.0	0.0	(0.0)
olv32*	0.0	0.0	0.0	(0.0)
olv33*	0.0	0.0	0.0	(0.0)
olv34*	0.0	0.0	0.0	(0.0)
olv35*	0.0	0.0	0.0	(0.0)
olv36*	0.0	0.0	0.0	(0.0)
olv37*	0.0	0.0	0.0	(0.0)
olv38*	0.0	0.0	0.0	(0.0)
olv39*	0.0	0.0	0.0	(0.0)
olv40*	0.0	0.0	0.0	(0.0)
olv41*	0.0	0.0	0.0	(0.0)
olv42*	0.0	0.0	0.0	(0.0)
olv43*	0.0	0.0	0.0	(0.0)
olv44*	0.0	0.0	0.0	(0.0)
olv45*	0.0	0.0	0.0	(0.0)
olv46*	0.0	0.0	0.0	(0.0)
olv47*	0.0	0.0	0.0	(0.0)
olv48*	0.0	0.0	0.0	(0.0)
olv49*	0.0	0.0	0.0	(0.0)
olv50*	0.0	0.0	0.0	(0.0)
olv51*	0.0	0.0	0.0	(0.0)
olv52*	0.0	0.0	0.0	(0.0)
olv53*	0.0	0.0	0.0	(0.0)
olv54*	0.0	0.0	0.0	(0.0)
olv55*	0.0	0.0	0.0	(0.0)
olv56*	0.0	0.0	0.0	(0.0)
olv57*	0.0	0.0	0.0	(0.0)
olv58*	0.0	0.0	0.0	(0.0)
olv59*	0.0	0.0	0.0	(0.0)
olv60*	0.0	0.0	0.0	(0.0)
olv61*	0.0	0.0	0.0	(0.0)
olv62*	0.0	0.0	0.0	(0.0)
olv63*	0.0	0.0	0.0	(0.0)
olv64*	0.0	0.0	0.0	(0.0)
olv65*	0.0	0.0	0.0	(0.0)
olv66*	0.0	0.0	0.0	(0.0)
olv67*	0.0	0.0	0.0	(0.0)
olv68*	0.0	0.0	0.0	(0.0)
olv69*	0.0	0.0	0.0	(0.0)
olv70*	0.0	0.0	0.0	(0.0)
olv71*	0.0	0.0	0.0	(0.0)
olv72*	0.0	0.0	0.0	(0.0)
olv73*	0.0	0.0	0.0	(0.0)
olv74*	0.0	0.0	0.0	(0.0)
olv75*	0.0	0.0	0.0	(0.0)
olv76*	0.0	0.0	0.0	(0.0)
olv77*	0.0	0.0	0.0	(0.0)
olv78*	0.0	0.0	0.0	(0.0)
olv79*	0.0	0.0	0.0	(0.0)
olv80*	0.0	0.0	0.0	(0.0)
olv81*	0.0	0.0	0.0	(0.0)
olv82*	0.0	0.0	0.0	(0.0)
olv83*	0.0	0.0	0.0	(0.0)
olv84*	0.0	0.0	0.0	(0.0)
olv85*	0.0	0.0	0.0	(0.0)
olv86*	0.0	0.0	0.0	(0.0)
olv87*	0.0	0.0	0.0	(0.0)
olv88*	0.0	0.0	0.0	(0.0)
olv89*	0.0	0.0	0.0	(0.0)
olv90*	0.0	0.0	0.0	(0.0)
olv91*	0.0	0.0	0.0	(0.0)
olv92*	0.0	0.0	0.0	(0.0)
olv93*	0.0	0.0	0.0	(0.0)
olv94*	0.0	0.0	0.0	(0.0)
olv95*	0.0	0.0	0.0	(0.0)
olv96*	0.0	0.0	0.0	(0.0)
olv97*	0.0	0.0	0.0	(0.0)
olv98*	0.0	0.0	0.0	(0.0)
olv99*	0.0	0.0	0.0	(0.0)
olv100*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
olv6*	0.0	0.0	0.0	(0.0)
olv7*	0.0	0.0	0.0	(0.0)
olv8*	0.0	0.0	0.0	(0.0)
olv9*	0.0	0.0	0.0	(0.0)
olv10*	0.0	0.0	0.0	(0.0)
olv11*	0.0	0.0	0.0	(0.0)
olv12*	0.0	0.0	0.0	(0.0)
olv13*	0.0	0.0	0.0	(0.0)
olv14*	0.0	0.0	0.0	(0.0)
olv15*	0.0	0.0	0.0	(0.0)
olv16*	0.0	0.0	0.0	(0.0)
olv17*	0.0	0.0	0.0	(0.0)
olv18*	0.0	0.0	0.0	(0.0)
olv19*	0.0	0.0	0.0	(0.0)
olv20*	0.0	0.0	0.0	(0.0)
olv21*	0.0	0.0	0.0	(0.0)
olv22*	0.0	0.0	0.0	(0.0)
olv23*	0.0	0.0	0.0	(0.0)
olv24*	0.0	0.0	0.0	(0.0)
olv25*	0.0	0.0	0.0	(0.0)
olv26*	0.0	0.0	0.0	(0.0)
olv27*	0.0	0.0	0.0	(0.0)
olv28*	0.0	0.0	0.0	(0.0)
olv29*	0.0	0.0	0.0	(0.0)
olv30*	0.0	0.0	0.0	(0.0)
olv31*	0.0	0.0	0.0	(0.0)
olv32*	0.0	0.0	0.0	(0.0)
olv33*	0.0	0.0	0.0	(0.0)
olv34*	0.0	0.0	0.0	(0.0)
olv35*	0.0	0.0	0.0	(0.0)
olv36*	0.0	0.0	0.0	(0.0)
olv37*	0.0	0.0	0.0	(0.0)
olv38*	0.0	0.0	0.0	(0.0)
olv39*	0.0	0.0	0.0	(0.0)
olv40*	0.0	0.0	0.0	(0.0)
olv41*	0.0	0.0	0.0	(0.0)
olv42*	0.0	0.0	0.0	(0.0)
olv43*	0.0	0.0	0.0	(0.0)
olv44*	0.0	0.0	0.0	(0.0)
olv45*	0.0	0.0	0.0	(0.0)
olv46*	0.0	0.0	0.0	(0.0)
olv47*	0.0	0.0	0.0	(0.0)
olv48*	0.0	0.0	0.0	(0.0)
olv49*	0.0	0.0	0.0	(0.0)
olv50*	0.0	0.0	0.0	(0.0)
olv51*	0.0	0.0	0.0	(0.0)
olv52*	0.0	0.0	0.0	(0.0)
olv53*	0.0	0.0	0.0	(0.0)
olv54*	0.0	0.0	0.0	(0.0)
olv55*	0.0	0.0	0.0	(0.0)
olv56*	0.0	0.0	0.0	(0.0)
olv57*	0.0	0.0	0.0	(0.0)
olv58*	0.0	0.0	0.0	(0.0)
olv59*	0.0	0.0	0.0	(0.0)
olv60*	0.0	0.0	0.0	(0.0)
olv61*	0.0	0.0	0.0	(0.0)
olv62*	0.0	0.0	0.0	(0.0)
olv63*	0.0	0.0	0.0	(0.0)
olv64*	0.0	0.0	0.0	(0.0)
olv65*	0.0	0.0	0.0	(0.0)
olv66*	0.0	0.0	0.0	(0.0)
olv67*	0.0	0.0	0.0	(0.0)
olv68*	0.0	0.0	0.0	(0.0)
olv69*	0.0	0.0	0.0	(0.0)
olv70*	0.0	0.0	0.0	(0.0)
olv71*	0.0	0.0	0.0	(0.0)
olv72*	0.0	0.0	0.0	(0.0)
olv73*	0.0	0.0	0.0	(0.0)
olv74*	0.0	0.0	0.0	(0.0)
olv75*	0.0	0.0	0.0	(0.0)
olv76*	0.0	0.0	0.0	(0.0)
olv77*	0.0	0.0	0.0	(0.0)
olv78*	0.0	0.0	0.0	(0.0)
olv79*	0.0	0.0	0.0	(0.0)
olv80*	0.0	0.0	0.0	(0.0)
olv81*	0.0	0.0	0.0	(0.0)
olv82*	0.0	0.0	0.0	(0.0)
olv83*	0.0	0.0	0.0	(0.0)
olv84*	0.0	0.0	0.0	(0.0)
olv85*	0.0	0.0	0.0	(0.0)
olv86*	0.0	0.0	0.0	(0.0)
olv87*	0.0	0.0	0.0	(0.0)
olv88*	0.0	0.0	0.0	(0.0)
olv89*	0.0	0.0	0.0	(0.0)
olv90*	0.0	0.0	0.0	(0.0)
olv91*	0.0	0.0	0.0	(0.0)
olv92*	0.0	0.0	0.0	(0.0)
olv93*	0.0	0.0	0.0	(0.0)
olv94*	0.0	0.0	0.0	(0.0)
olv95*	0.0	0.0	0.0	(0.0)
olv96*	0.0	0.0	0.0	(0.0)
olv97*	0.0	0.0	0.0	(0.0)
olv98*	0.0	0.0	0.0	(0.0)
olv99*	0.0	0.0	0.0	(0.0)
olv100*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)				
olv3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olv4*	1.0	1.0	0.5	1.0
cmyn4*	0.0	0.0	0.5	0.0
standard and adapted CIELAB				
LAB*LAB	94.07	-10.0	42.48	
LAB*LABa	94.07	-10.0	42.48	

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab \cdot h = 137/360 = 0.38$

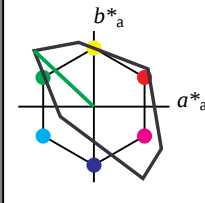
$lab \cdot tch$ and $lab \cdot nch$

D65: hue L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



TLS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 151/360 = 0.419$

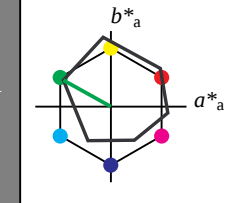
$lab \cdot tch$ and $lab \cdot nch$

D65: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0
LAB*Lab	95.41 0.0 0.0

OE560-7, 5 step scales for constant CIELAB hue 137/360 = 0.38 (left)

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

BAM-test chart OE56; Colorimetric systems ORS18 & ORS18

D65: 2 coordinate data of 5 step color scales for 10 hues

input: $cmv0^* \text{ setcmvcolor}$

output: Startup (S) data dependend

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 196/360 = 0.546$

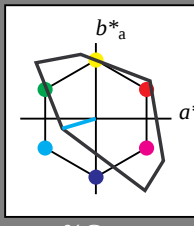
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



TLS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01

relative Inform. Technology (IT)
olv3* 0.75 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olv4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 93.34 -11.09 -3.27
LAB*LABa 93.34 -11.09 -3.27
LAB*TCHa 97.5 11.57 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 91.27 -22.2 -6.55
LAB*LABa 91.27 -22.2 -6.55
LAB*TCHa 75.0 23.15 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 89.2 -33.3 -9.83
LAB*LABa 89.2 -33.3 -9.83
LAB*TCHa 62.5 34.73 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 87.13 -44.4 -13.11
LAB*LABa 87.13 -44.4 -13.11
LAB*TCHa 50.0 46.31 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 85.01 -55.5 -16.66
LAB*LABa 85.01 -55.5 -16.66
LAB*TCHa 37.5 51.57 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.74 -66.6 -19.83
LAB*LABa 82.74 -66.6 -19.83
LAB*TCHa 25.0 57.67 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.57 -77.7 -22.22
LAB*LABa 80.57 -77.7 -22.22
LAB*TCHa 12.5 68.73 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 78.40 -88.8 -25.56
LAB*LABa 78.40 -88.8 -25.56
LAB*TCHa 0.0 79.73 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.23 -100.0 -28.89
LAB*LABa 76.23 -100.0 -28.89
LAB*TCHa 0.0 90.68 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.06 -91.1 -31.11
LAB*LABa 74.06 -91.1 -31.11
LAB*TCHa 0.0 101.63 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.89 -102.2 -34.44
LAB*LABa 71.89 -102.2 -34.44
LAB*TCHa 0.0 112.15 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 69.72 -113.3 -37.78
LAB*LABa 69.72 -113.3 -37.78
LAB*TCHa 0.0 122.67 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 67.55 -124.4 -41.11
LAB*LABa 67.55 -124.4 -41.11
LAB*TCHa 0.0 133.19 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 65.38 -135.5 -44.44
LAB*LABa 65.38 -135.5 -44.44
LAB*TCHa 0.0 143.71 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.21 -146.6 -47.78
LAB*LABa 63.21 -146.6 -47.78
LAB*TCHa 0.0 154.23 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 61.04 -157.7 -51.11
LAB*LABa 61.04 -157.7 -51.11
LAB*TCHa 0.0 164.75 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 58.87 -168.8 -54.44
LAB*LABa 58.87 -168.8 -54.44
LAB*TCHa 0.0 175.27 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.70 -179.9 -57.78
LAB*LABa 56.70 -179.9 -57.78
LAB*TCHa 0.0 185.79 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 54.53 -191.0 -61.11
LAB*LABa 54.53 -191.0 -61.11
LAB*TCHa 0.0 196.31 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.36 -202.1 -64.44
LAB*LABa 52.36 -202.1 -64.44
LAB*TCHa 0.0 206.83 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.19 -213.2 -67.78
LAB*LABa 50.19 -213.2 -67.78
LAB*TCHa 0.0 217.35 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.02 -224.3 -71.11
LAB*LABa 48.02 -224.3 -71.11
LAB*TCHa 0.0 227.87 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 45.85 -235.4 -74.44
LAB*LABa 45.85 -235.4 -74.44
LAB*TCHa 0.0 238.39 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 43.68 -246.5 -77.78
LAB*LABa 43.68 -246.5 -77.78
LAB*TCHa 0.0 248.91 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 41.51 -257.6 -81.11
LAB*LABa 41.51 -257.6 -81.11
LAB*TCHa 0.0 259.43 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 39.34 -268.7 -84.44
LAB*LABa 39.34 -268.7 -84.44
LAB*TCHa 0.0 269.95 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.17 -279.8 -87.78
LAB*LABa 37.17 -279.8 -87.78
LAB*TCHa 0.0 280.47 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.00 -290.9 -91.11
LAB*LABa 35.00 -290.9 -91.11
LAB*TCHa 0.0 290.99 196.46

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.0 (0.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.25 0.0 0.0 (0.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.83 -302.0 -94.44
LAB*LABa 32.83 -302.0 -94.44
LAB*TCHa 0.0 301.51 196.46

OE560-7, 5 step scales for constant CIELAB hue 196/360 = 0.546 (left)

5 step scales for constant CIELAB hue 236/360 = 0.656 (right)

BAM-test chart OE56; Colorimetric systems ORS18 & ORS18

D65: 2 coordinate data of 5 step colour scales for 10 hues

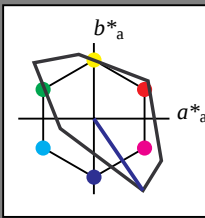
input: `cmY0* setcmYcolor`

output: `Startup (S) data dependend`

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 304/360 = 0.845$
 lab^*tch and lab^*nch

D65: hue V
LCH*Ma: 35 115 304
olv*Ma: 0.0 0.0 1.0
triangle lightness t^*



TLS18; adapted (a) CIELAB data					
	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative Inform. Technology (IT)		
olv3*	0.75	0.75
olv4*	0.75	0.75
olv5*	0.75	0.75
olv6*	0.75	0.75
olv7*	0.75	0.75
olv8*	0.75	0.75
olv9*	0.75	0.75
olv10*	0.75	0.75
olv11*	0.75	0.75
olv12*	0.75	0.75
olv13*	0.75	0.75
olv14*	0.75	0.75
olv15*	0.75	0.75
olv16*	0.75	0.75
olv17*	0.75	0.75
olv18*	0.75	0.75
olv19*	0.75	0.75
olv20*	0.75	0.75

relative CIELAB lab*			relative Natural Colour (NC)
b*lab	0.5	0.0	
b*tch	0.5	0.0	
b*nch	0.5	0.0	
b*lrj	0.5	0.0	
b*tce	0.5	0.0	
b*nce	0.5	0.0	

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab \cdot h = 25/360 = 0.071$

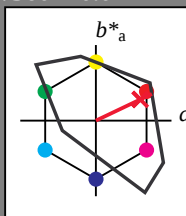
$lab \cdot tch$ and $lab \cdot nch$

D65: hue R

LCH*Ma: 54 82 25

olv*Ma: 1.0 0.0 0.14

triangle lightness t^*



TLS18; adapted (a) CIELAB data					
	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)					
olv3*	1.0	1.0	1.0	(1.0)	
olv3*	0.0	0.0	0.0	(0.0)	
olv4*	1.0	1.0	1.0	(1.0)	
olv4*	0.0	0.0	0.0	(0.0)	
olv4*	0.0	0.0	0.0	(0.0)	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	0.0		
LAB*LAB	95.41	0.0	0.0		
LAB*LAB	95.41	0.0	0.0		
LAB*LAB	95.41	0.0	0.0		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*lab	0.0	1.0	0.0		
lab*lab	0.0	0.0	1.0		
relative Natural Colour (NC)					
lab*lab	1.0	0.0	0.0		
lab*lab	0.0	1.0	0.0		
lab*lab	0.0	0.0	1.0		
lab*lab	0.0	0.0	0.0		

relative Inform. Technology (IT)					
olv3*	1.0	0.75	0.75	(1.0)	
olv3*	0.0	0.25	0.25	(0.0)	
olv4*	1.0	0.75	0.75	(1.0)	
olv4*	0.0	0.25	0.25	(0.0)	
olv4*	0.0	0.25	0.25	(0.0)	
standard and adapted CIELAB					
LAB*LAB	84.96	18.51	8.82		
LAB*LAB	84.96	18.51	8.82		
LAB*LAB	84.96	18.51	8.82		
LAB*LAB	84.96	18.51	8.82		
relative CIELAB lab*					
lab*lab	0.865	0.25	0.107		
lab*lab	0.875	0.25	0.071		
lab*lab	0.875	0.25	0.071		
lab*lab	0.875	0.25	0.071		
relative Natural Colour (NC)					
lab*lab	0.865	0.25	0.107		
lab*lab	0.875	0.25	0.071		
lab*lab	0.875	0.25	0.071		
lab*lab	0.875	0.25	0.071		

relative Inform. Technology (IT)					
olv3*	1.0	0.5	0.569	(1.0)	
olv3*	0.0	0.5	0.569	(0.0)	
olv4*	1.0	0.5	0.569	(1.0)	
olv4*	0.0	0.5	0.569	(0.0)	
olv4*	0.0	0.5	0.569	(0.0)	
standard and adapted CIELAB					
LAB*LAB	74.51	37.03	17.64		
LAB*LAB	74.51	37.03	17.64		
LAB*LAB	74.51	37.03	17.64		
LAB*LAB	74.51	37.03	17.64		
relative CIELAB lab*					
lab*lab	0.73	0.51	0.215		
lab*lab	0.73	0.51	0.215		
lab*lab	0.73	0.51	0.215		
lab*lab	0.73	0.51	0.215		
relative Natural Colour (NC)					
lab*lab	0.73	0.51	0.215		
lab*lab	0.73	0.51	0.215		
lab*lab	0.73	0.51	0.215		
lab*lab	0.73	0.51	0.215		

relative Inform. Technology (IT)					
olv3*	1.0	0.25	0.354	(1.0)	
olv3*	0.0	0.25	0.354	(0.0)	
olv4*	1.0	0.25	0.354	(1.0)	
olv4*	0.0	0.25	0.354	(0.0)	
olv4*	0.0	0.25	0.354	(0.0)	
standard and adapted CIELAB					
LAB*LAB	64.07	55.55	26.47		
LAB*LAB	64.07	55.55	26.47		
LAB*LAB	64.07	55.55	26.47		
LAB*LAB	64.07	55.55	26.47		
relative CIELAB lab*					
lab*lab	0.592	0.677	0.323		
lab*lab	0.625	0.75	0.071		
lab*lab	0.625	0.75	0.071		
lab*lab	0.625	0.75	0.071		
relative Natural Colour (NC)					
lab*lab	0.592	0.677	0.323		
lab*lab	0.625	0.75	0.071		
lab*lab	0.625	0.75	0.071		
lab*lab	0.625	0.75	0.071		

relative Inform. Technology (IT)					
olv3*	1.0	0.0	0.186	(1.0)	
olv3*	0.0	0.0	0.186	(0.0)	
olv4*	1.0	0.0	0.186	(1.0)	
olv4*	0.0	0.0	0.186	(0.0)	
olv4*	0.0	0.0	0.186	(0.0)	
standard and adapted CIELAB					
LAB*LAB	53.62	74.06	35.3		
LAB*LAB	53.62	74.06	35.3		
LAB*LAB	53.62	74.06	35.3		
LAB*LAB	53.62	74.06	35.3		
relative CIELAB lab*					
lab*lab	0.46	0.903	0.43		
lab*lab	0.5	0.0	0.071		
lab*lab	0.5	0.0	0.071		
lab*lab	0.5	0.0	0.071		
relative Natural Colour (NC)					
lab*lab	0.46	0.903	0.43		
lab*lab	0.5	0.0	0.071		
lab*lab	0.5	0.0	0.071		
lab*lab	0.5	0.0	0.071		

relative Inform. Technology (IT)					
olv3*	1.0	0.5	0.5	(1.0)	
olv3*	0.0	0.5	0.5	(0.0)	
olv4*	1.0	0.5	0.5	(1.0)	
olv4*	0.0	0.5	0.5	(0.0)	
olv4*	0.0	0.5	0.5	(0.0)	
standard and adapted CIELAB					
LAB*LAB	56.71	2.24	21.4		
LAB*LAB	56.71	2.24	21.4		
LAB*LAB	56.71	2.24	21.4		
LAB*LAB	56.71	2.24	21.4		
relative CIELAB lab*					
lab*lab	0.5	0.0	0.0		
lab*lab	0.5	0.0	0.0		
lab*lab	0.5	0.0	0.0		
lab*lab	0.5	0.0	0.0		
relative Natural Colour (NC)					
lab*lab	0.5	0.0	0.0		
lab*lab	0.5	0.0	0.0		
lab*lab	0.5	0.0	0.0		
lab*lab	0.5	0.0	0.0		

relative Inform. Technology (IT)					
olv3*	1.0	0.25	0.354	(1.0)	
olv3*	0.0	0.25	0.354	(0.0)	
olv4*	1.0	0.25	0.354	(1.0)	
olv4*	0.0	0.25	0.354	(0.0)	
olv4*	0.0	0.25	0.354	(0.0)	
standard and adapted CIELAB					
LAB*LAB	44.86	17.13	9.23		
LAB*LAB	44.86	17.13	9.23		
LAB*LAB	44.86	17.13	9.23		
LAB*LAB	44.86	17.13	9.23		
relative CIELAB lab*					
lab*lab	0.347	0.227	0.104		
lab*lab	0.375	0.25	0.069		
lab*lab	0.375	0.25	0.069		
lab*lab	0.375	0.25	0.069		
relative Natural Colour (NC)					
lab*lab	0.347	0.227	0.104		
lab*lab	0.375	0.25	0.069		
lab*lab	0.375	0.25	0.069		
lab*lab	0.375	0.25	0.069		

relative Inform. Technology (IT)					
olv3*	1.0	0.25	0.354	(1.0)	
olv3*	0.0	0.25	0.354	(0.0)	
olv4*	1.0	0.25	0.354	(1.0)	
olv4*	0.0	0.25	0.354	(0.0)	
olv4*	0.0	0.25	0.354	(0.0)	
standard and adapted CIELAB					
LAB*LAB	44.86	17.13	9.23		
LAB*LAB	44.86	17.13	9.23		
LAB*LAB	44.86	17.13	9.23		
LAB*LAB	44.86	17.13	9.23		
relative CIELAB lab*					
lab*lab	0.347	0.227	0.104		
lab*lab	0.375	0.25	0.069		
lab*lab	0.375	0.25	0.069		
lab*lab	0.375	0.25	0.069		
relative Natural Colour (NC)					
lab*lab	0.347	0.227	0.104		
lab*lab	0.375	0.25	0.069		
lab*lab	0.375	0.25	0.069		
lab*lab	0.375	0.25	0.069		

relative Inform. Technology (IT)					
olv3*	1.0	0.5	0.569	(1.0)	
olv3*	0.0	0.5	0.569	(0.0)	
olv4*	1.0	0.5	0.569	(1.0)	
olv4*	0.0	0.5	0.569	(0.0)	
olv4*	0.0	0.5	0.569	(0.0)	
standard and adapted CIELAB					
LAB*LAB	44.86	17.13	9.23		
LAB*LAB	44.86	17.13	9.23		
LAB*LAB	44.86	17.13	9.23		
LAB*LAB	44.86	17.13	9.23		
relative CIELAB lab*					
lab*lab	0.347	0.227	0.104		
lab*lab	0.375	0.25	0.069		
lab*lab	0.375	0.25	0.069		
lab*lab	0.375	0.25	0.069		
relative Natural Colour (NC)					
lab*lab	0.347	0.227	0.104		
lab*lab	0.375	0.25	0.069		
lab*lab	0.375	0.25	0.069		
lab*lab	0.375	0.25	0.069		

relative Inform. Technology (IT)					
olv3*	1.0	0.75	0.75	(1.0)	
olv3*	0.0	0.75	0.75	(0.0)	
olv4*	1.0	0.75	0.75	(1.0)	
olv4*	0.0	0.75	0.75	(0.0)	
olv4*	0.0	0.75	0.75	(0.0)	
standard and adapted CIELAB					
LAB*LAB	44.86	17.13	9.23		
LAB*LAB	44.86	17.13	9.23		
LAB*LAB	44.86	17.13	9.23		
LAB*LAB	44.86	17.13	9.23		
relative CIELAB lab*					
lab*lab	0.347	0.227	0.104		
lab*lab	0.375	0.25	0.069		
lab*lab	0.375	0.25	0.069		
lab*lab	0.375	0.25	0.069		
relative Natural Colour (NC)					
lab*lab	0.347	0.227	0.104		
lab*lab	0.375	0.25	0.069		
lab*lab	0.375	0.25	0.069		
lab*lab	0.375	0.25	0.069		

relative Inform. Technology (IT)					
olv3*	1.0	0.25	0.354	(1.0)	
olv3*	0.0	0.25	0.354	(0.0)	
olv4*	1.0	0.25	0.354	(1.0)	
olv4*	0.0	0.25	0.354	(0.0)	
olv4*	0.0	0.25	0.354	(0.0)	
standard and adapted CIELAB					
LAB*LAB	44.86	17.13	9.23		
LAB*LAB	44.86	17.13	9.23		
LAB*LAB	44.86	17.13	9.23		

Input: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 162/360 = 0.451$

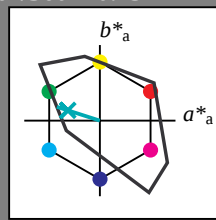
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 86 60 162

olv*Ma: 0.0 1.0 0.64

triangle lightness t^*



TLS18; adapted (a) CIELAB data					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularity

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	0.75 0.75 0.75 (1.0)
olv4*	0.25 0.25 0.25 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 0.0 0.0
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

Output: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

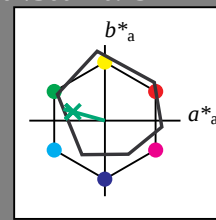
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

olv*Ma: 0.0 1.0 0.25

triangle lightness t^*



ORS18; adapted (a) CIELAB data					
	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.39	50.52	82.63	38
Y _{Ma}	90.37	-10.26	91.75	92.32	96
L _{Ma}	50.9	-62.83	34.96	71.91	151
C _{Ma}	58.62	-30.34	-45.01	54.3	236
V _{Ma}	25.72	31.1	-44.4	54.22	305
M _{Ma}	48.13	75.28	-8.36	75.74	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.66	26.98	64.57	25
J _{CIE}	81.26	-2.16	67.76	67.79	92
G _{CIE}	52.23	-42.25	11.76	43.87	164
B _{CIE}	30.57	1.15	-46.84	46.86	271

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

relative Inform. Technology (IT)	
olv3*	1.0 1.0 1.0 (1.0)
olv4*	0.0 0.0 0.0 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 -0.98 4.75
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	1.0 1.0 1.0 (1.0)
olv4*	0.0 0.0 0.0 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 -0.98 4.75
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	1.0 1.0 1.0 (1.0)
olv4*	0.0 0.0 0.0 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 -0.98 4.75
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	1.0 1.0 1.0 (1.0)
olv4*	0.0 0.0 0.0 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 -0.98 4.75
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	1.0 1.0 1.0 (1.0)
olv4*	0.0 0.0 0.0 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 -0.98 4.75
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	1.0 1.0 1.0 (1.0)
olv4*	0.0 0.0 0.0 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 -0.98 4.75
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
olv3*	1.0 1.0 1.0 (1.0)
olv4*	0.0 0.0 0.0 (0.0)
olv5*	0.0 0.0 0.0 (0.0)
olv6*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	95.41 -0.98 4.75
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 0.0

relative Inform. Technology (IT)	
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